

LOWER COLORADO RIVER BASIN-LAKE MEAD, LOWER VIRGIN RIVER BASIN

09414900 BEAVER DAM WASH AT BEAVER DAM, AZ

LOCATION.--Lat 36°54'07", long 113°55'58" referenced to North American Datum of 1927, in NW 1/4 NE 1/4 NE 1/4 sec. 05, T.40 N., R.15 W., Mohave County, Hydrologic Unit 15010010, on upstream end of bridge pier at Beaver Dam, AZ.

DRAINAGE AREA.--575 mi².

PERIOD OF RECORD.--February 1993 to September 1994, October 1995 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,850 ft above National Geodetic Vertical Datum of 1929, from bench mark on bridge.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,940 ft³/s, February 10, 1993, gage height, 7.14 ft from rating curve extended above 2,220 ft³/s; minimum daily, 0.11 ft³/s, February 18, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 114 ft³/s, February 27, gage height, 5.98 ft; minimum daily discharge, 0.73 ft³/s, August 5, 6.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	1.2	1.4	3.2	2.9	2.7	1.6	1.2	1.0	1.1	0.82	0.84
2	1.0	e1.2	1.5	2.7	2.9	2.6	1.6	1.2	1.0	1.1	0.81	0.83
3	1.0	e1.2	1.4	2.3	3.0	2.3	1.6	1.2	1.0	1.1	0.77	0.82
4	1.0	e1.2	1.3	2.1	3.0	1.9	1.8	1.2	1.0	1.1	0.76	0.85
5	1.0	e1.2	1.4	2.0	3.1	1.9	1.7	1.3	1.0	1.0	0.73	0.86
6	1.0	e1.2	1.2	2.2	3.0	1.6	1.6	1.3	1.0	0.91	0.73	0.85
7	1.1	e1.2	1.3	2.2	3.0	1.5	1.6	1.3	1.1	0.92	0.77	0.84
8	1.1	e1.2	1.5	2.3	2.8	1.4	1.5	1.3	1.1	0.91	0.77	0.86
9	1.1	e1.2	1.4	2.7	2.8	1.4	1.5	1.3	1.1	0.92	0.77	0.86
10	1.1	e1.2	1.5	2.7	2.8	1.4	1.5	1.2	1.1	0.92	0.77	7.2
11	1.1	e1.2	1.5	2.3	2.8	1.4	1.4	1.2	1.1	0.96	0.77	1.4
12	1.1	e1.3	1.3	2.3	2.9	1.3	1.2	1.3	1.1	0.97	0.77	0.95
13	1.1	e1.3	1.3	2.4	2.8	1.3	1.1	1.4	1.1	0.98	0.78	0.87
14	1.1	e1.2	1.4	2.4	2.8	1.3	1.00	1.4	1.1	1.0	0.82	0.86
15	1.1	e1.2	1.7	2.5	2.8	1.4	0.88	1.3	1.0	1.0	0.86	0.87
16	1.1	e1.3	1.9	2.4	2.8	1.5	0.86	1.3	0.96	1.1	0.85	0.91
17	1.1	e1.3	1.9	2.3	2.8	1.7	0.86	1.3	0.96	1.1	0.85	0.91
18	1.1	e1.2	1.8	2.3	2.8	2.0	0.82	1.3	0.96	1.1	0.83	0.91
19	1.1	e1.2	1.8	2.3	2.8	2.1	0.82	1.3	0.96	1.0	0.83	0.91
20	1.1	e1.2	2.1	2.3	2.8	2.0	0.81	1.3	0.99	1.0	0.86	0.91
21	1.1	1.2	2.2	2.3	2.8	2.0	0.85	1.2	1.0	1.0	0.86	0.91
22	1.2	e1.2	2.3	2.3	2.8	2.0	0.86	1.0	1.0	1.0	0.86	0.91
23	1.2	e1.2	2.5	2.3	2.8	1.9	0.86	1.0	1.0	1.0	0.86	0.91
24	1.2	e1.3	2.7	2.3	2.8	1.9	0.86	1.0	1.0	1.0	0.86	0.91
25	1.2	e1.3	2.5	2.7	2.7	1.8	0.86	1.0	1.0	1.1	0.85	0.91
26	1.2	1.3	6.0	2.9	9.2	1.8	0.86	1.0	1.0	1.1	0.83	0.91
27	1.3	1.4	6.4	3.3	23	1.8	0.86	1.0	1.0	1.1	0.83	0.91
28	1.3	1.5	2.6	2.9	4.1	1.8	0.86	1.0	1.1	1.1	0.85	0.91
29	1.3	1.6	2.9	3.3	3.0	1.7	1.0	1.0	1.1	1.1	0.85	0.91
30	e1.3	1.5	3.0	3.1	---	1.7	1.1	1.0	1.1	1.1	0.84	0.91
31	e1.3	---	3.3	3.0	---	1.7	---	1.0	---	1.0	0.84	---
TOTAL	35.0	37.9	67.0	78.3	110.6	54.8	34.72	36.8	30.93	31.79	25.25	33.41
MEAN	1.13	1.26	2.16	2.53	3.81	1.77	1.16	1.19	1.03	1.03	0.81	1.11
MAX	1.3	1.6	6.4	3.3	23	2.7	1.8	1.4	1.1	1.1	0.86	7.2
MIN	1.0	1.2	1.2	2.0	2.7	1.3	0.81	1.0	0.96	0.91	0.73	0.82
AC-FT	69	75	133	155	219	109	69	73	61	63	50	66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	2.07	2.18	2.47	2.63	5.73	5.16	2.94	2.18	1.93	1.91	1.86	2.05
MAX	2.88	3.08	3.23	3.40	31.2	30.1	9.31	2.91	2.56	2.62	2.75	3.90
(WY)	(1994)	(1997)	(1996)	(1997)	(1998)	(1993)	(1993)	(1993)	(1997)	(1993)	(1993)	(1998)
MIN	1.13	1.20	1.56	1.88	1.75	1.77	1.16	1.19	1.03	1.03	0.81	1.11
(WY)	(2004)	(2003)	(2003)	(2002)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(1993)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1993 - 2004
ANNUAL TOTAL	595.87	576.50	
ANNUAL MEAN	1.63	1.58	2.46
HIGHEST ANNUAL MEAN			4.96
LOWEST ANNUAL MEAN			1.58
HIGHEST DAILY MEAN	14	Sep 6	1,730 Feb 9, 1993
LOWEST DAILY MEAN	0.86	Aug 30	0.11 Feb 18, 1993
ANNUAL SEVEN-DAY MINIMUM	0.87	Aug 30	0.65 Aug 11, 2002
MAXIMUM PEAK FLOW		114 Feb 27	5,940 Feb 10, 1993
MAXIMUM PEAK STAGE		5.98 Feb 27	7.34 Sep 6, 2003
ANNUAL RUNOFF (AC-FT)	1,180	1,140	1,780
10 PERCENT EXCEEDS	2.1	2.8	3.0
50 PERCENT EXCEEDS	1.5	1.2	2.2
90 PERCENT EXCEEDS	1.1	0.86	1.3

e Estimated